

U.S. Department of Commerce, Patent and Trademark Office

Application No.: Unknown

Filing date: July 18, 2003

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Inventors: Dwight and David Zuck

(Use several sheets if necessary)

Group Art Unit: Unknown

"SYSTEM FOR REMOVING CONTAMINANTS FROM SEMICONDUCTOR
PROCESS EQUIPMENT"

Examiner name: Unknown

Attorney Docket No. Z-001-2C

U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date, If Appropriate
JAS	A	4,550,579	11/5/85	Clifford	68	5C	
	B	5,851,307	12/22/98	Gilmer et al.	134	22.1	
	C	5,660,640	8/26/97	Laube	134	1	
	D	3,952,756	4/27/76	Sheppard	134	133	
	E	6,055,694	05/02/00	Steere	15	77	
	F	17,066	4/14/1857	J.H. Morrow			
	G	1,141,314	06/01/15	E.W. Caldwell			
	H	2,191,508	02/27/40	R. Stuart	95	90	
	I	3,010,460	11/28/61	E.J. Lepneau	134	135	
	J	3,077,155	02/12/63	Maddock, et al.	95	98	
JAS	K	3,121,438	02/18/64	Kennedy	134	135	

Foreign Patent Documents

							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
JAS	L	1-263287	10-1989	Japan				
	M	3-124028	05-1991	Japan				
	N	3-246940	11-1991	Japan				
	O	5-102121	04-1993	Japan				
JAS	P	5-152273	06-1993	Japan				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

JAS	Q	"Aqueous/Semi-Aqueous Ultrasonic Cleaning System," Bulletin S-1029, Branson Ultrasonics Corporation (1994). 2 pages.
	R	"Aqueous Ultrasonic Cleaning System," Bulletin S-1015, Branson Ultrasonics Corporation (1992).
JAS	S	"Aqueous Ultrasonic Cleaning System," Bulletin S-1024A, Branson Ultrasonics Corporation (1993). 2 pages.

Examiner

JAS

Date Considered

6/13/04

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JPS	T	4,302,273	11/24/81	Howard, Jr.	156	345	
	U	4,305,413	12/15/81	Dougherty	134	90	
	V	5,104,727	05/14/91	Rigo	134	102	
	W	5,697,391	12/16/97	Segawa	134	102.2	
	X	5,906,216	05/25/99	Barlet	135	58	
JPS	Y	6,048,405	04/11/00	Skrovan et al.	134	1	

Foreign Patent Documents

							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
JPS	Z	6-271068	08-1994	Japan				
JPS	AA	2002051405	12-2000	Korea				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

JPS	AB	"Aqueous Ultrasonic Cleaning System," Bulletin S-1014, Branson Ultrasonics Corporation (1992). 2 pages.
	AC	"Microclean Ultrasonic Cleaning Systems, PE Series Cleaning Processes for Precision Engineering Industries," Kerry Ultrasonics Limited (1993). 6 pages.
	AD	"Microsolve Ultrasonic Cleaning Systems, Solvent Processes for Precision Cleaning," Kerry Ultrasonics Limited (not dated; obtained in 1999). 6 pages.
	AE	"PA-Series™ Aqueous Precision Cleaning Systems," Forward Technology Industries, Inc. (1999). 4 pages.
	AF	"SA-Series™ Solvent Precision Cleaning Systems," Forward Technology Industries, Inc. (1999). 4 pages.
	AG	"SVG Polyimide Parts Cleaner, Maintenance and Operation Manual," Poly-Flow Engineering, Inc. (1994). 35 pages.
JPS	AH	"Endura® PVD Process Kit Catalog," revision C, Applied Materials, Inc. (October 1993). 40 pages.

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	AI					
	AJ					
	AK					

Foreign Patent Documents

							Translation	
	Document	Date	Country	Class	Subclass		Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

NPS	AQ	"Electric Immersion Heaters, Heat Exchangers, In-Line Heaters, and Level and Temperature Controls," available from Process Technology of Mentor, Ohio (obtained in 1999). 35 pages.
	AR	ESCA Sales Brochure, undated document received September 15, 1999. 17 pages.
	AS	"S2-93A Compliance Statement," reference document Ref113, Universal Plastics (1999). 8 pages.
	AT	"Products & People...Creating Value Through Excellence & Innovation," Universal Plastics, Inc., (undated reference obtained in 1999). 21 pages.
NPS	AU	"Safety Design in Parts Cleaning," Poly-Flow Engineering, Inc. (not dated, obtained in 1999). 15 pages.

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NPS

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6/13/09

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